

CLAIMS

1. A method for measuring a multimode optical fiber comprising:
monitoring a temperature change within a measurement time in a DMD
5 measurement of the multimode optical fiber,
wherein the DMD measurement is carried out in an environment in which a
magnitude of temperature change is controlled.
2. The method for measuring a multimode optical fiber according to claim 1,
10 wherein a product of a measurement time and a rate of temperature change during the
measurement of the measured fiber is 0.4°C or less.
3. The method for measuring a multimode optical fiber according to claim 1,
wherein a product of the measurement time and a rate of temperature change during the
15 measurement of the measured fiber is 0.3°C or less.
4. The method for measuring a multimode optical fiber according to claim 1,
wherein the measurement is carried out in an environment in which a rate of temperature
change of the ambient environment is controlled to $\pm 1.0^{\circ}\text{C}/\text{hour}$ or less.
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5. The method for measuring a multimode optical fiber according to claim 1,
wherein the measurement time is set within 10 minutes.
6. The method for measuring a multimode optical fiber according to claim 1,
25 wherein the measurement time is set within 3 minutes.

7. The method for measuring a multimode optical fiber according to claim 1,
wherein the measurement is carried out in an environment in which a rate of temperature
change of the ambient environment is controlled to $\pm 1.0^{\circ}\text{C}/\text{hour}$ or less and the
5 measurement time is set within 10 minutes.

8. The method for measuring a multimode optical fiber according to claim 1,
wherein the DMD measurement is carried out after placing the fiber to be measured in the
measurement environment until a temperature of the optical fiber substantially equals a
10 temperature of the measurement environment before carrying out the DMD measurement.